

3/13



ENTERED

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/074,744

DATE: 03/06/2002

TIME: 13:06:29

Input Set : A:\A01183.txt

Output Set: N:\CRF3\03062002\J074744.raw

3 <110> APPLICANT: Rohm and Haas Company  
 4 Padidam, Malla  
 6 <120> TITLE OF INVENTION: A method to reduce transcriptional interference between  
 tandem genes  
 8 <130> FILE REFERENCE: A01183  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/074,744  
 C--> 10 <141> CURRENT FILING DATE: 2002-02-13  
 10 <150> PRIOR APPLICATION NUMBER: US 60/268,584  
 11 <151> PRIOR FILING DATE: 2001-02-14  
 13 <160> NUMBER OF SEQ ID NOS: 4  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 154  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: transcription blocker sequence from pSEAP2 vector  
 25 <400> SEQUENCE: 1  
 26 aataaaatat ctttattttc attacatctg tgtgttggtt tttgtgtga atcgatagta 60  
 28 ctaacatacg ctctccatca aaacaaaacg aaacaaaaca aactagcaaa ataggctgtc 120  
 30 cccagtgcga gtgcaggtgc cagaacattt ctct 154  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 702  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Bacteriophage lambda  
 38 <400> SEQUENCE: 2  
 39 ggtaaccgtc gtattcccg cgcgtttatt cagcaactga aaaatggccg gtggcatgtc 60  
 41 atgcagcgtg tggtcgggaa aaaccgttac ccattgatg tggtagaaat cccgatggcg 120  
 43 gtgcgcgtga ccacggcgtt taaacaaaat attgagcgga tacggcgtga acgtcttccg 180  
 45 aaagagctgg gctatgcgct gcagcatcaa ctgaggatgg taataaagcg atgaaacata 240  
 47 ctgaactccg tgcagccgta ctggatgcac tggagaagca tgacaccggg gcgacgtttt 300  
 49 ttgatggtcg ccccgctgtt tttgatgagg cggattttcc ggcagttgcc gtttatctca 360  
 51 ccggcgctga atacacgggc gaagagctgg acagcgatac ctggcaggcg gagctgcata 420  
 53 tcgaagtttt cctgcctgct cagggtgccg attcagagct ggatgcgtgg atggagtccc 480  
 55 ggatttatcc ggtgatgagc gatatcccg cactgtcaga tttgatcacc agtatggtgg 540  
 57 ccagcgcta tgactaccg cgcgacgatg atgcgggctt gtggagttca gccgatctga 600  
 59 cttatgtcat tacctatgaa atgtgaggac gctatgcctg taccaaatcc tacaatgccg 660  
 61 gtgaaagggtg ccgggaccac cctgtgggtt tataagggga gc 702  
 64 <210> SEQ ID NO: 3  
 65 <211> LENGTH: 1519  
 66 <212> TYPE: DNA  
 67 <213> ORGANISM: Bacteriophage lambda  
 69 <400> SEQUENCE: 3  
 70 gccttcacgc ttcatacgcg ggatcatagt ggcaaagtac caggcatttt ttcgcgtcac 60

## RAW SEQUENCE LISTING

DATE: 03/06/2002

PATENT APPLICATION: US/10/074,744

TIME: 13:06:29

Input Set : A:\A01183.txt

Output Set: N:\CRF3\03062002\J074744.raw

```

72 ccacatgctg tactgcacct gggccatgta agctgacttt atggcctcga aaccaccgag 120
74 ccggaacttc atgaaatccc gggaggtaaa cgggcatttc agttcaaggc cgttgccgtc 180
76 actgcataaa ccacgaggag agcaggcggg acgcatactt tcgtcgcgat agatgatcgg 240
78 ggattcagta acattcacgc cggaagtga ttcaaacagg gttctggcgt cgttctcgta 300
80 ctgttttccc caggccagtg ctttagcggt aacttccgga gccacaccgg tgcaaacctc 360
82 agcaagcagg gtgtggaagt aggacatttt catgtcaggc cacttctttc cggagcgggg 420
84 ttttctatc acgttgtgaa cttctgaagc ggtgatgacg ccgagccgta atttgtgcca 480
86 cgcacatccc ccctgttcga cagctctcac atcgatcccg gtacgctgca ggataatgtc 540
88 cgggtgcatg ctgccacctt ctgctctgcg gctttctggt tcaggaaatcc aagagctttt 600
90 actgcttcgg cctgtgtcag ttctgacgat gcacgaatgt cgcggcgaaa tatctgggaa 660
92 cagagcggca ataagtctgc atcccatgtt ttatccaggg cgatcagcag agtggttaatc 720
94 tcctgcatgg tttcatcggt aaccggagtg atgtcgcgtt ccggctgacg ttctgcagtg 780
96 tatgcagtat tttcgacaat gcgctcggct tcaccttgt catagatacc agcaaaccg 840
98 aaggccagac gggcacactg aatcatggct ttatgacgta acatccgtt gggatgcgac 900
100 tgccacggcc ccgtgatttc tctgccttcg cgagttttga atggttcgcg gcggcattca 960
102 tccatccatt cggtaacgca gatcggatga ttacggctct tcggttaaat ccggcatgta 1020
104 caggattcat tgtcctgtc aaagtccatg ccataaaact gctggttttc attgatgatg 1080
106 cgggaccagc catcaacgcc caccaccgga acgatgccat tctgcttacc aggaaggcg 1140
108 taaatttctt tctgccacgg attaaggccg tactggttgg caacgatcag taatgcgatg 1200
110 aactgcgcat cgtggcatc acctttaaat gccgtctggc gaagagtggg gatcagttcc 1260
112 tgtgggtcga cagaatccat gccgacacgt tcagccagct tcccagccag cgttgcgagt 1320
114 gcagtactca ttcgttttat acctctgaat caatatcaac ctggtggtga gcaatggttt 1380
116 caaccatgta ccggatgtgt tctgccatgc gctcctgaaa ctcaacatcg tcatcaaacg 1440
118 cacgggtaat ggattttttg ctggccccgt ggcgttgcaa atgatcgatg catagcgatt 1500
120 caaacagggt ctggggcag 1519
123 <210> SEQ ID NO: 4
124 <211> LENGTH: 2322
125 <212> TYPE: DNA
126 <213> ORGANISM: Bacteriophage lambda
128 <400> SEQUENCE: 4
129 aagcttttct aatttaacct ttgtcagggt accaactact aagggttagt gctcaagagg 60
131 gtgtgtcctg tcgtaggtaa ataactgacc tgctcagactt aatattctat attgttggtc 120
133 tttctgcaaa aaagtgggga agtgagtaat gaaattatct ctaacattta tctgcatcat 180
135 accttccgag catttattaa gcatttcgct ataagttctc gctggaagag gtatgttttt 240
137 cattgtactt taccttcacg tctgttcatt atcatcgctt ttaaaacggt tcgaccttct 300
139 aatccatctt gaccattata attttttaga atggtttcat aagaaagctc tgaatcaacg 360
141 gactgcgata ataagtgtg gtatccagaa tttgtcactt caagtaaaaa cacctcacga 420
143 gttaaaacac ctaagtctc accgaatgtc tcaatatccg gacggataat atttattgct 480
145 tctcttgacc gtaggacttt ccacatgcag gattttggaa cctcttgacg tactactggg 540
147 gaatgagttg caattattgc tacaccattg cgtgcacgta gtaagtcgct taatgttcgt 600
149 aaaaaagcag agagcaaagg tggatgcaga tgaacctctg gttcatcgaa taaaactaat 660
151 gacttttgcg caacgacatc tactaatctt gtgatagtaa ataaaacaat tgcagtgtcca 720
153 gagctcattc gaagcagata tttctggata ttgtcataaa acaatttagt gaatttatca 780
155 tcgtccactt gaatctgtgg ttcattacgt cttactctt catatttaga aatgaggctg 840
157 atgagttcca tatttgaaaa gttttcatca ctacttagtt ttttgatagc ttcaagccag 900
159 agttgtcttt ttctatctac tctcatacaa ccaataaatg ctgaaatgaa ttctaagcgg 960
161 agatcgcta gtgattttaa actattgctg gcagcattct tgagtccaat ataaaagtat 1020
163 tgtgtacctt ttgctgggtc aggttggtct ttaggaggag taaaaggatc aatgcacta 1080
165 aacgaaactg aaacaagcga tcgaaaatat ccctttggga ttcttgactc gataagtcta 1140

```

## RAW SEQUENCE LISTING

DATE: 03/06/2002

PATENT APPLICATION: US/10/074,744

TIME: 13:06:29

Input Set : A:\A01183.txt

Output Set: N:\CRF3\03062002\J074744.raw

```

167 ttattttcag agaaaaaata ttcatgtgtt tctgggttgg tgattgcacc aatcattcca 1200
169 ttcaaaattg ttgtttttacc acacccattc cgcccgataa aagcatgaat gttcgtgctg 1260
171 ggcatagaat taaccgtcac ctcaaaaggt atagttaa at cactgaatcc gggagcactt 1320
173 tttctattaa atgaaaagt gaaatctgac aattctggca aaccatttaa cacacgtgcg 1380
175 aactgtccat gaattttctga aagagttacc cctctaagta atgaggtgtt aaggacgctt 1440
177 tcattttcaa tgcggctaa tcgatttggc cataactacta aatcctgaat agctttaaga 1500
179 aggttatgtt taaaaccatc gcttaatttg ctgagattaa catagtagtc aatgctttca 1560
181 cctaaggaaa aaaacatttc agggagtga ctgaattttt tatctattaa tgaataagtg 1620
183 cttacttctt ctttttgacc tacaaaacca attttaacat ttccgatac gcatttttca 1680
185 ccatgctcat caaagacagt aagataaaac attgtaacaa aggaatagtc attccaacca 1740
187 tctgctcgta ggaatgcctt atttttttct actgcaggaa tatacccgcc tctttcaata 1800
189 aactaaact ccaacatata gtaaccctta attttattaa aataaccgca atttatttgg 1860
191 cggcaacaca ggatctctct ttttaagttac tctctattac atacgttttc catctaaaaa 1920
193 ttagtagtat tgaacttaac ggggcacgt attgtagttt tccatattta gctttctgct 1980
195 tccttttgga taaccactg ttattcatgt tgcattgtgc actgtttata ccaacgatat 2040
197 agtctattaa tgcataata gtatcgccga acgattagct cttcaggctt ctgaagaagc 2100
199 gtttcaagta ctaataagcc gatagatagc cacggacttc gtagccattt ttcataagtg 2160
201 ttaacttccg ctctcgtctc ataacagaca ttcactacag ttatggcgga aaggtatgca 2220
203 tgctgggtgt ggggaagtgc tgaagaaaa gaagtcagct gcgtcgtttg acatcactgc 2280
205 tatcttctta ctggttatgc aggtcgtagt ggggtggcaca ca 2322

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/074,744

DATE: 03/06/2002

TIME: 13:06:30

Input Set : A:\A01183.txt

Output Set: N:\CRF3\03062002\J074744.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date